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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 4	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6	Mar 08	Gene Names now available in BIOSIS
NEWS 7	Mar 22	TOXLIT no longer available
NEWS 8	Mar 22	TRCTHERMO no longer available
NEWS 9	Mar 28	US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS 10	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11	Apr 02	PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 12	Apr 08	"Ask CAS" for self-help around the clock
NEWS 13	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14	Apr 09	ZDB will be removed from STN
NEWS 15	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 16	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 18	Apr 22	Federal Research in Progress (FEDRIP) now available

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:55:18 ON 30 MAY 2002

=> file medline biosis caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

```
FULL ESTIMATED COST                                    0.21        0.21

FILE 'MEDLINE' ENTERED AT 13:55:36 ON 30 MAY 2002

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=> s substance dependency
L1          73 SUBSTANCE DEPENDENCY

=> s b-endorphin
L2         215 B-ENDORPHIN

=> s drug and(alcohol or cocaine or marijauna)
L3      107128 DRUG AND(ALCOHOL OR COCAINE OR MARIJAUNA)

=> s oprm1`
L4          32 OPRM1`

=> s drug use
L5       21959 DRUG USE

=> s drug addiction
L6        6281 DRUG ADDICTION

=> s alcohol and cocaine and marijauna
L7           0 ALCOHOL AND COCAINE AND MARIJAUNA

=> s alcohol or cocaine or marijauna
L8      933768 ALCOHOL OR COCAINE OR MARIJAUNA

=> s drug and (addict? or depend?)
L9      548508 DRUG AND (ADDICT? OR DEPEND?)

=> s l8 and l9
L10      23378 L8 AND L9

=> s l9 and predisp?
L11       1656 L9 AND PREDISP?

=> s l11 and l8
L12        221 L11 AND L8

=> s l12 and l2
L13          0 L12 AND L2

=> s l12 and l4
L14          0 L12 AND L4

=> s l12 and gene?
L15        123 L12 AND GENE?

=> s l15 and polym?
L16         21 L15 AND POLYM?

=> dup rem l16
PROCESSING COMPLETED FOR L16
L17          19 DUP REM L16 (2 DUPLICATES REMOVED)
```

=> d ti 1-19

L17 ANSWER 1 OF 19 MEDLINE
TI **Genetic** determinants of ethanol-induced liver damage.

L17 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Allelic and somatic variations in the endogenous opioid system of humans

L17 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Microarray detection of **genetic** susceptibility to neurotransmitter factor dysfunctions

L17 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Homogeneity of the biological mechanisms of individual **predispositions** to the abuse of various psychoactive substances

L17 ANSWER 5 OF 19 MEDLINE
TI Reward deficiency syndrome: **genetic** aspects of behavioral disorders.

L17 ANSWER 6 OF 19 MEDLINE
TI **Genetic** vulnerability to **drug** abuse.

L17 ANSWER 7 OF 19 MEDLINE DUPLICATE 1
TI Genome **polymorphism** and alcoholism.

L17 ANSWER 8 OF 19 MEDLINE
TI Personality traits and dopamine receptors (D2 and D4): linkage studies in families of alcoholics.

L17 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Allelic polygene diagnosis of reward deficiency syndrome and treatment

L17 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Human .mu.-opioid receptor **gene** and variants, **polymorphisms** and mutations thereof and their use in diagnosis and **drug** development

L17 ANSWER 11 OF 19 MEDLINE
TI Excess dopamine D4 receptor (D4DR) exon III seven repeat allele in opioid-**dependent** subjects.

L17 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Alleles of the D2 dopaminergic receptor **genes** and the diagnosis of susceptibility to compulsive disorders

L17 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI **Polymorphism** of **alcohol** and aldehyde dehydrogenase **genes** and alcoholic cirrhosis in Chinese patients

L17 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI **Genetic** association between dopamine transporter protein alleles and **cocaine**-induced paranoia

L17 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI The role of **alcohol** and aldehyde dehydrogenases in **alcohol**-related diseases: Clinical studies of molecular markers

L17 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI **Genetic predisposition** in alcoholism: Association of the D2 dopamine receptor TaqIB1 RFLP with severe alcoholics

L17 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Allelic association of the human dopamine (D2) receptor **gene** in

compulsive disorders such as alcoholism

L17 ANSWER 18 OF 19 MEDLINE DUPLICATE 2
TI [**Genetically**-induced variability of **alcohol** metabolism and its effect on drinking behavior and **predisposition** to alcoholism].
Genetisch bedingte Variabilitat des Alkoholstoffwechsels und ihr Einfluss auf Trinkverhalten und Neigung zum Alkoholismus.

L17 ANSWER 19 OF 19 MEDLINE
TI Variability in the effect of **alcohol** on **alcohol** metabolizing enzymes may determine relative sensitivity to **alcohols**: a new hypothesis.

=> d ibib 10

L17 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1998:543188 CAPLUS
DOCUMENT NUMBER: 129:157719
TITLE: Human .mu.-opioid receptor **gene** and variants, **polymorphisms** and mutations thereof and their use in diagnosis and **drug** development
INVENTOR(S): Hoehe, Margret; Wendel, Birgit
PATENT ASSIGNEE(S): Max-Delbruck-Centrum Fur Molekulare Medizin, Germany
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9833937	A2	19980806	WO 1998-DE382	19980202
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9864947	A1	19980825	AU 1998-64947	19980202
DE 19806186	A1	19981126	DE 1998-19806186	19980202
EP 970123	A2	20000112	EP 1998-910609	19980202
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				

PRIORITY APPLN. INFO.: DE 1997-19703925 19970203
WO 1998-DE382 19980202

=> FIL STNGUIDE
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	55.21	55.42

FILE 'STNGUIDE' ENTERED AT 14:07:16 ON 30 MAY 2002
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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: May 24, 2002 (20020524/UP).

=> d ibib 6
YOU HAVE REQUESTED DATA FROM FILE 'MEDLINE, CAPLUS' - CONTINUE? (Y)/N:y

L17 ANSWER 6 OF 19 MEDLINE
ACCESSION NUMBER: 2000393991 MEDLINE
DOCUMENT NUMBER: 20343038 PubMed ID: 10881207
TITLE: **Genetic** vulnerability to **drug** abuse.
AUTHOR: Duaux E; Krebs M O; Loo H; Poirier M F
CORPORATE SOURCE: Service Hospitalo-Universitaire de Sant e Mentale et Th erapeutique, H opital Sainte-Anne, 75014 Paris, France.
SOURCE: EUROPEAN PSYCHIATRY, (2000 Mar) 15 (2) 109-14. Journal code: DJF; 9111820. ISSN: 0924-9338.
PUB. COUNTRY: France
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200008
ENTRY DATE: Entered STN: 20000824
Last Updated on STN: 20000824
Entered Medline: 20000817

=> d ibib 7
YOU HAVE REQUESTED DATA FROM FILE 'MEDLINE, CAPLUS' - CONTINUE? (Y)/N:y

L17 ANSWER 7 OF 19 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 2001227500 MEDLINE
DOCUMENT NUMBER: 21156012 PubMed ID: 11258598
TITLE: Genome **polymorphism** and alcoholism.
AUTHOR: Thome J; Gewirtz J C; Weijers H G; Wiesbeck G A; Henn F A
CORPORATE SOURCE: Laboratory of Biochemistry, Central Institute of Mental Health, Mannheim, Germany.. thome@as200.zi-mannheim.de
SOURCE: Pharmacogenomics, (2000 Feb) 1 (1) 63-71. Ref: 65
Journal code: DOS; 100897350. ISSN: 1462-2416.
PUB. COUNTRY: England: United Kingdom
Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200104
ENTRY DATE: Entered STN: 20010502
Last Updated on STN: 20010502
Entered Medline: 20010426

=> d ibib 17
YOU HAVE REQUESTED DATA FROM FILE 'MEDLINE, CAPLUS' - CONTINUE? (Y)/N:y

L17 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1991:605187 CAPLUS
DOCUMENT NUMBER: 115:205187
TITLE: Allelic association of the human dopamine (D2) receptor **gene** in compulsive disorders such as alcoholism
INVENTOR(S): Noble, E. P.; Blum, Kenneth L.; Sheridan, Peter J.

```
NEWS  5  Feb 19  Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS  6  Mar 08  Gene Names now available in BIOSIS
NEWS  7  Mar 22  TOXLIT no longer available
NEWS  8  Mar 22  TRCTHERMO no longer available
NEWS  9  Mar 28  US Provisional Priorities searched with P in CA/CAplus
                 and USPATFULL
NEWS 10  Mar 28  LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11  Apr 02  PAPERCHEM no longer available on STN.  Use PAPERCHEM2 instead.
NEWS 12  Apr 08  "Ask CAS" for self-help around the clock
NEWS 13  Apr 09  BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14  Apr 09  ZDB will be removed from STN
NEWS 15  Apr 19  US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 16  Apr 22  Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17  Apr 22  BIOSIS Gene Names now available in TOXCENTER
NEWS 18  Apr 22  Federal Research in Progress (FEDRIP) now available

NEWS EXPRESS  February 1 CURRENT WINDOWS VERSION IS V6.0d,
              CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
              AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS    STN Operating Hours Plus Help Desk Availability
NEWS INTER    General Internet Information
NEWS LOGIN    Welcome Banner and News Items
NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
NEWS WWW      CAS World Wide Web Site (general information)

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=> file medline biosis caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

FILE 'MEDLINE' ENTERED AT 14:29:13 ON 30 MAY 2002

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=> s oprm1
L1          32 OPRM1

=> d ti 1-32

L1   ANSWER 1 OF 32     MEDLINE
TI   Sequence variations in the mu-opioid receptor gene (OPRM1)
     associated with human addiction to heroin.
```

L1 ANSWER 2 OF 32 MEDLINE
TI A functional polymorphism within the mu-opioid receptor gene and risk for abuse of alcohol and other substances.

L1 ANSWER 3 OF 32 MEDLINE
TI Nonreplication of association between mu-opioid-receptor gene (**OPRM1**) A118G polymorphism and substance dependence.

L1 ANSWER 4 OF 32 MEDLINE
TI Sequence variability and candidate gene analysis in complex disease: association of mu opioid receptor gene variation with substance dependence.

L1 ANSWER 5 OF 32 MEDLINE
TI Variant detection at the delta opioid receptor (OPRD1) locus and population genetics of a novel variant affecting protein sequence.

L1 ANSWER 6 OF 32 MEDLINE
TI Genetics of two mu opioid receptor gene (**OPRM1**) exon I polymorphisms: population studies, and allele frequencies in alcohol- and drug-dependent subjects.

L1 ANSWER 7 OF 32 MEDLINE
TI Population studies of polymorphisms at loci of neuropsychiatric interest (tryptophan hydroxylase (TPH), dopamine transporter protein (SLC6A3), D3 dopamine receptor (DRD3), apolipoprotein E (APOE), mu opioid receptor (**OPRM1**), and ciliary neurotrophic factor (CNTF)).

L1 ANSWER 8 OF 32 MEDLINE
TI Association of alcohol or other drug dependence with alleles of the mu opioid receptor gene (**OPRM1**).

L1 ANSWER 9 OF 32 MEDLINE
TI Mu opioid receptor gene variants: lack of association with alcohol dependence.

L1 ANSWER 10 OF 32 MEDLINE
TI Linkage assignment of eleven genes to the porcine genome.

L1 ANSWER 11 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI A functional polymorphism within the mu-opioid receptor gene and risk for abuse of alcohol and other substances.

L1 ANSWER 12 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Evaluation of single nucleotide polymorphisms in delta and mu opioid receptors (OPR) in human subjects phenotyped for sensitivity to painful thermal stimulation.

L1 ANSWER 13 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Association of mu-opioid receptor and delta-opioid receptor gene variation with drug abuse in different populations.

L1 ANSWER 14 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Sequence variability and candidate gene analysis in complex disease: Association of mu opioid receptor gene variation with substance dependence.

L1 ANSWER 15 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI mu-Opioid and delta-opioid receptor gene polymorphisms and heroin dependence in a Chinese population.

L1 ANSWER 16 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Nonreplication of association between mu-opioid-receptor gene (

OPRM1) A118G polymorphism and substance dependence.

L1 ANSWER 17 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Variant detection at the delta opioid receptor (OPRD1) locus and population genetics of a novel variant affecting protein sequence.

L1 ANSWER 18 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI The mu-opioid receptor gene (**OPRM1**) and heroin dependence in a Chinese population.

L1 ANSWER 19 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Genetics of two mu opioid receptor gene (**OPRM1**) exon 1 polymorphisms: Population studies, and allele frequencies in alcohol- and drug-dependent subjects.

L1 ANSWER 20 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Population studies of polymorphisms at loci of neuropsychiatric interest (tryptophan hydroxylase (TPH), dopamine transporter protein (SLC6A3), D3 dopamine receptor (DRD3), apolipoprotein E (APOE), mu opioid receptor (**OPRM1**), and ciliary neurotrophic factor (CNTF.

L1 ANSWER 21 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Association of alcohol or other drug dependence with alleles of the mu opioid receptor gene (**OPRM1**.

L1 ANSWER 22 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI mu Opioid receptor (**OPRM1**) variants: Lack of association with alcohol and drug dependence.

L1 ANSWER 23 OF 32 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Linkage assignment of eleven genes to the porcine genome.

L1 ANSWER 24 OF 32 CAPLUS COPYRIGHT 2002 ACS
TI Sequence variations in the Mu-opioid receptor gene (**OPRM1**) associated with human addiction to heroin

L1 ANSWER 25 OF 32 CAPLUS COPYRIGHT 2002 ACS
TI A functional polymorphism within the .mu.-opioid receptor gene and risk for abuse of alcohol and other substances

L1 ANSWER 26 OF 32 CAPLUS COPYRIGHT 2002 ACS
TI Method and assay for diagnosing substance dependency

L1 ANSWER 27 OF 32 CAPLUS COPYRIGHT 2002 ACS
TI Sequence variability and candidate gene analysis in complex disease: association of .mu. opioid receptor gene variation with substance dependence

L1 ANSWER 28 OF 32 CAPLUS COPYRIGHT 2002 ACS
TI Genetics of two .mu. opioid receptor gene (**OPRM1**) exon I polymorphisms: Population studies, and allele frequencies in alcohol- and drug-dependent subjects

L1 ANSWER 29 OF 32 CAPLUS COPYRIGHT 2002 ACS
TI Variant detection at the .delta. opioid receptor (OPRD1) locus and population genetics of a novel variant affecting protein sequence

L1 ANSWER 30 OF 32 CAPLUS COPYRIGHT 2002 ACS
TI Population studies of polymorphisms at loci of neuropsychiatric interest (tryptophan hydroxylase (TPH), dopamine transporter protein (SLC6A3), D3 dopamine receptor (DRD3), apolipoprotein E (APOE), .mu. opioid receptor (**OPRM1**), and ciliary neurotrophic factor (CNTF))

L1 ANSWER 31 OF 32 CAPLUS COPYRIGHT 2002 ACS

TI Association of alcohol or other drug dependence with alleles of the .mu. opioid receptor gene (**OPRM1**)

L1 ANSWER 32 OF 32 CAPLUS COPYRIGHT 2002 ACS
TI Linkage assignment of eleven genes to the porcine genome

=> s l1 and 118
L2 3 L1 AND 118

=> d ti 1-3

L2 ANSWER 1 OF 3 MEDLINE
TI A functional polymorphism within the mu-opioid receptor gene and risk for abuse of alcohol and other substances.

L2 ANSWER 2 OF 3 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI A functional polymorphism within the mu-opioid receptor gene and risk for abuse of alcohol and other substances.

L2 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
TI A functional polymorphism within the .mu.-opioid receptor gene and risk for abuse of alcohol and other substances

=> d ibib1
'IBIB1' IS NOT A VALID FORMAT
In a multifile environment, a format can only be used if it is valid
in at least one of the files. Refer to file specific help messages
or the STNGUIDE file for information on formats available in
individual files.
REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):d ibib 1
'D' IS NOT A VALID FORMAT
'1' IS NOT A VALID FORMAT
In a multifile environment, a format can only be used if it is valid
in at least one of the files. Refer to file specific help messages
or the STNGUIDE file for information on formats available in
individual files.
REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):filedefault

L2 ANSWER 1 OF 3 MEDLINE
AN 2002140749 MEDLINE
DN 21829307 PubMed ID: 11840318
TI A functional polymorphism within the mu-opioid receptor gene and risk for abuse of alcohol and other substances.
AU Schinka J A; Town T; Abdullah L; Crawford F C; Ordorica P I; Francis E; Hughes P; Graves A B; Mortimer J A; Mullan M
CS The Roskamp Institute, University of South Florida, Tampa, FL 33620, USA.. jschinka@com1.med.usf.edu
SO MOLECULAR PSYCHIATRY, (2002) 7 (2) 224-8.
Journal code: 9607835. ISSN: 1359-4184.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200205
ED Entered STN: 20020307
Last Updated on STN: 20020515
Entered Medline: 20020514

=> FIL STNGUIDE
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 7.85 8.06

FILE 'STNGUIDE' ENTERED AT 14:31:11 ON 30 MAY 2002
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: May 24, 2002 (20020524/UP).

=> s l1 and marker
0 OPRM1
0 MARKER
L3 0 L1 AND MARKER

=> file medline biosis caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.18 8.24

FILE 'MEDLINE' ENTERED AT 14:32:55 ON 30 MAY 2002

FILE 'BIOSIS' ENTERED AT 14:32:55 ON 30 MAY 2002
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=> s l1 and marker
L4 8 L1 AND MARKER

=> d ti 1-8

L4 ANSWER 1 OF 8 MEDLINE
TI Sequence variations in the mu-opioid receptor gene (**OPRM1**) associated with human addiction to heroin.

L4 ANSWER 2 OF 8 MEDLINE
TI Genetics of two mu opioid receptor gene (**OPRM1**) exon I polymorphisms: population studies, and allele frequencies in alcohol- and drug-dependent subjects.

L4 ANSWER 3 OF 8 MEDLINE
TI Linkage assignment of eleven genes to the porcine genome.

L4 ANSWER 4 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Association of mu-opioid receptor and delta-opioid receptor gene variation with drug abuse in different populations.

L4 ANSWER 5 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Genetics of two mu opioid receptor gene (**OPRM1**) exon 1 polymorphisms: Population studies, and allele frequencies in alcohol- and drug-dependent subjects.

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Sequence variations in the Mu-opioid receptor gene (**OPRM1**) associated with human addiction to heroin

L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Method and assay for diagnosing substance dependency

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2002 ACS

TI Genetics of two .mu. opioid receptor gene (**OPRM1**) exon I polymorphisms: Population studies, and allele frequencies in alcohol- and drug-dependent subjects

=> dup rem l4
PROCESSING COMPLETED FOR L4
L5 6 DUP REM L4 (2 DUPLICATES REMOVED)

=> d ti 1-6

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI Method and assay for diagnosing substance dependency

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI Sequence variations in the Mu-opioid receptor gene (**OPRM1**) associated with human addiction to heroin

L5 ANSWER 3 OF 6 MEDLINE
TI Sequence variations in the mu-opioid receptor gene (**OPRM1**) associated with human addiction to heroin.

L5 ANSWER 4 OF 6 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Association of mu-opioid receptor and delta-opioid receptor gene variation with drug abuse in different populations.

L5 ANSWER 5 OF 6 MEDLINE DUPLICATE 1
TI Genetics of two mu opioid receptor gene (**OPRM1**) exon I polymorphisms: population studies, and allele frequencies in alcohol- and drug-dependent subjects.

L5 ANSWER 6 OF 6 MEDLINE
TI Linkage assignment of eleven genes to the porcine genome.

=> d ibib 1-6

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:51932 CAPLUS
DOCUMENT NUMBER: 136:65188
TITLE: Method and assay for diagnosing substance dependency
INVENTOR(S): Town, Terence C.; Abdullah, Laila; Mullan, Michael; Schinka, John Andrew
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 11 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002006624	A1	20020117	US 2001-898566	20010702
PRIORITY APPLN. INFO.:			US 2000-215506P P	20000630

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:369438 CAPLUS
TITLE: Sequence variations in the Mu-opioid receptor gene (**OPRM1**) associated with human addiction to heroin
AUTHOR(S): Shi, Jinxiu; Hui, Lijian; Xu, Yonghai; Wang, Feng; Huang, Wei; Hu, Gengxi
CORPORATE SOURCE: Institute of Biochemistry and Cell Biology, Chinese

Academy of Sciences, Shanghai, 200031, Peop. Rep. China
SOURCE: Human Mutation (2002), 19(4), 497/1-497/6
CODEN: HUMUE3; ISSN: 1059-7794
PUBLISHER: Wiley-Liss, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 3 OF 6 MEDLINE
ACCESSION NUMBER: 2002199484 IN-PROCESS
DOCUMENT NUMBER: 21929815 PubMed ID: 11933204
TITLE: Sequence variations in the mu-opioid receptor gene (**OPRM1**) associated with human addiction to heroin.
AUTHOR: Shi Jinxiu; Hui Lijian; Xu Yonghai; Wang Feng; Huang Wei; Hu Gengxi
CORPORATE SOURCE: Institute of Biochemistry and Cell Biology, Chinese Academy of Sciences, Shanghai, China.
SOURCE: HUMAN MUTATION, (2002 Apr) 19 (4) 459-60.
Journal code: 9215429. ISSN: 1098-1004.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20020405
Last Updated on STN: 20020405

L5 ANSWER 4 OF 6 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:486915 BIOSIS
DOCUMENT NUMBER: PREV200100486915
TITLE: Association of mu-opioid receptor and delta-opioid receptor gene variation with drug abuse in different populations.
AUTHOR(S): Ferro, E. F. (1); Xu, K. (1); Mangal, W. (1); Nagarajan, S. (1); Goldman, D. (1)
CORPORATE SOURCE: (1) Lab of Neurogenetics, NIH/NIAAA, Rockville, MD USA
SOURCE: Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 91. print.
Meeting Info.: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001
ISSN: 0190-5295.
DOCUMENT TYPE: Conference
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 5 OF 6 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 1999455119 MEDLINE
DOCUMENT NUMBER: 99455119 PubMed ID: 10523821
TITLE: Genetics of two mu opioid receptor gene (**OPRM1**) exon I polymorphisms: population studies, and allele frequencies in alcohol- and drug-dependent subjects.
AUTHOR: Gelernter J; Kranzler H; Cubells J
CORPORATE SOURCE: Yale University School of Medicine, Department of Psychiatry, Division of Molecular Psychiatry and VA Connecticut Healthcare System, West Haven Campus, Department of Psychiatry, USA.. gelernter-joel@cs.yale.edu
CONTRACT NUMBER: K02-MH01387 (NIMH)
P30-MH30929 (NIMH)
R01-AA11330 (NIAAA)
+
SOURCE: MOLECULAR PSYCHIATRY, (1999 Sep) 4 (5) 476-83.
Journal code: CUM; 9607835. ISSN: 1359-4184.
PUB. COUNTRY: ENGLAND: United Kingdom
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English

FILE SEGMENT: Priority Journals
ENTRY MONTH: 199912
ENTRY DATE: Entered STN: 20000113
Last Updated on STN: 20000113
Entered Medline: 19991210

L5 ANSWER 6 OF 6 MEDLINE
ACCESSION NUMBER: 97398490 MEDLINE
DOCUMENT NUMBER: 97398490 PubMed ID: 9250860
TITLE: Linkage assignment of eleven genes to the porcine genome.
AUTHOR: Hu Z; Rohrer G A; Stone R T; Rutherford M; Osinski M A; Pampusch M S; Murtaugh M P; Brown D R; Beattie C W
CORPORATE SOURCE: U.S. Department of Agriculture, ARS, U.S. Meat Animal Research Center (MARC), Spur 18 D, P.O. Box 166, Clay Center, Nebraska 68933-0166, USA.
SOURCE: MAMMALIAN GENOME, (1997 Aug) 8 (8) 559-63.
Journal code: BES; 9100916. ISSN: 0938-8990.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199709
ENTRY DATE: Entered STN: 19970926
Last Updated on STN: 19970926
Entered Medline: 19970912

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.00	17.24

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: May 24, 2002 (20020524/UP).

=> d hist full

(FILE 'HOME' ENTERED AT 14:28:45 ON 30 MAY 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 14:29:13 ON 30 MAY 2002
L1 32 SEA ABB=ON PLU=ON OPRM1
D TI 1-32
L2 3 SEA ABB=ON PLU=ON L1 AND 118
D TI 1-3
D IBIB1

FILE 'STNGUIDE' ENTERED AT 14:31:11 ON 30 MAY 2002
L3 0 SEA ABB=ON PLU=ON L1 AND MARKER

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 14:32:55 ON 30 MAY 2002
L4 8 SEA ABB=ON PLU=ON L1 AND MARKER
D TI 1-8
L5 6 DUP REM L4 (2 DUPLICATES REMOVED)
D TI 1-6
D IBIB 1-6

FILE 'STNGUIDE' ENTERED AT 14:35:26 ON 30 MAY 2002

FILE HOME

FILE MEDLINE
FILE LAST UPDATED: 29 MAY 2002 (20020529/UP). FILE COVERS 1958 TO DATE.

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MEDLINE now contains IN-PROCESS records. See HELP CONTENT for details.

MEDLINE is now updated 4 times per week. A new current-awareness alert frequency (EVERYUPDATE) is available. See HELP UPDATE for more informati

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2001 vocabulary. Enter HELP THESAURUS for details.

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THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

FILE BIOSIS
FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 29 May 2002 (20020529/ED)

FILE CAPLUS

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FILE COVERS 1907 - 30 May 2002 VOL 136 ISS 22
FILE LAST UPDATED: 29 May 2002 (20020529/ED)

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LAST RELOADED: May 24, 2002 (20020524/UP).

=>

---Logging off of STN---

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.60	17.84

STN INTERNATIONAL LOGOFF AT 14:41:31 ON 30 MAY 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1634sxs

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 4	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6	Mar 08	Gene Names now available in BIOSIS
NEWS 7	Mar 22	TOXLIT no longer available
NEWS 8	Mar 22	TRCTHERMO no longer available
NEWS 9	Mar 28	US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS 10	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11	Apr 02	PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 12	Apr 08	"Ask CAS" for self-help around the clock
NEWS 13	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14	Apr 09	ZDB will be removed from STN
NEWS 15	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 16	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 18	Apr 22	Federal Research in Progress (FEDRIP) now available

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 15:14:18 ON 30 MAY 2002

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 29 MAY 2002 HIGHEST RN 423115-51-9
DICTIONARY FILE UPDATES: 29 MAY 2002 HIGHEST RN 423115-51-9

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> s oprm1
L1 0 OPRM1

=> file medline

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.38	4.59

FILE 'MEDLINE' ENTERED AT 15:14:55 ON 30 MAY 2002

FILE LAST UPDATED: 29 MAY 2002 (20020529/UP). FILE COVERS 1958 TO DATE.

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MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2001 vocabulary. Enter HELP THESAURUS for details.

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THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE
SUBSTANCE IDENTIFICATION.

=> s oprm1
L2 10 OPRM1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.38	4.97

FILE 'CAPLUS' ENTERED AT 15:15:10 ON 30 MAY 2002
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FILE LAST UPDATED: 29 May 2002 (20020529/ED)

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=> s oprm1
L3 9 OPRM1

=> ind
AT LEAST TWO FILES ARE NEEDED FOR STNINDEX
SESSION CONTINUES IN THE PREVIOUS FILE ENVIRONMENT
To see a list of files and clusters that may be used in the INDEX
command, enter HELP FILE NAMES or HELP CLUSTER NAMES at an arrow
prompt. Only the learning files and NBSFLUIDS may not be used in
STNINDEX.

=> d ind l3

L3 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2002 ACS
CC 14 (Mammalian Pathological Biochemistry)

=> d ti 1-9

L3 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Sequence variations in the Mu-opioid receptor gene (**OPRM1**)
associated with human addiction to heroin

L3 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI A functional polymorphism within the .mu.-opioid receptor gene and risk
for abuse of alcohol and other substances

L3 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Method and assay for diagnosing substance dependency

L3 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Sequence variability and candidate gene analysis in complex disease: association of .mu. opioid receptor gene variation with substance dependence

L3 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Genetics of two .mu. opioid receptor gene (**OPRM1**) exon I polymorphisms: Population studies, and allele frequencies in alcohol- and drug-dependent subjects

L3 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Variant detection at the .delta. opioid receptor (OPRD1) locus and population genetics of a novel variant affecting protein sequence

L3 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Population studies of polymorphisms at loci of neuropsychiatric interest (tryptophan hydroxylase (TPH), dopamine transporter protein (SLC6A3), D3 dopamine receptor (DRD3), apolipoprotein E (APOE), .mu. opioid receptor (**OPRM1**), and ciliary neurotrophic factor (CNTF))

L3 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Association of alcohol or other drug dependence with alleles of the .mu. opioid receptor gene (**OPRM1**)

L3 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Linkage assignment of eleven genes to the porcine genome

=> d ind 8

L3 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS
CC 4-7 (Toxicology)
Section cross-reference(s): 1, 3
ST opioid receptor gene **OPRM1** alcoholism drug dependence
IT Gene, animal
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)
(**OPRM1**; assocn. of alc. or other drug dependence with alleles of .mu. opioid receptor gene (**OPRM1**) in Caucasian and African-American humans)
IT Alcoholism
Alleles
Drugs of abuse
Genetic polymorphism
(assocn. of alc. or other drug dependence with alleles of .mu. opioid receptor gene (**OPRM1**) in Caucasian and African-American humans)
IT Opioids
RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)
(dependence; assocn. of alc. or other drug dependence with alleles of .mu. opioid receptor gene (**OPRM1**) in Caucasian and African-American humans)
IT Repetitive DNA
RL: ADV (Adverse effect, including toxicity); BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)
(dinucleotide, polymorphic (CA)n repeat; assocn. of alc. or other drug dependence with alleles of .mu. opioid receptor gene (**OPRM1**) in Caucasian and African-American humans)
IT Neurotransmission

(opioidergic; assocn. of alc. or other drug dependence with alleles of .mu. opioid receptor gene (**OPRM1**) in Caucasian and African-American humans)

IT Opioid receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study) (.mu.-opioid; assocn. of alc. or other drug dependence with alleles of .mu. opioid receptor gene (**OPRM1**) in Caucasian and African-American humans)

IT 50-36-2, Cocaine 64-17-5, Ethanol, biological studies
RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (dependence; assocn. of alc. or other drug dependence with alleles of .mu. opioid receptor gene (**OPRM1**) in Caucasian and African-American humans)

=> d ibib 8

L3 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1998:637542 CAPLUS
DOCUMENT NUMBER: 130:48613
TITLE: Association of alcohol or other drug dependence with alleles of the .mu. opioid receptor gene (**OPRM1**)
AUTHOR(S): Kranzler, Henry R.; Gelernter, Joel; O'Malley, Stephanie; Hernandez-Avila, Carlos A.; Kaufman, Daniel
CORPORATE SOURCE: Alcohol Research Center, Department of Psychiatry, University of Connecticut Health Center, Farmington, CT, 06030, USA
SOURCE: Alcoholism: Clinical and Experimental Research (1998), 22(6), 1359-1362
CODEN: ACRSDM; ISSN: 0145-6008
PUBLISHER: Williams & Wilkins
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ab 8

L3 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS
AB Opioidergic neurotransmission and, specifically, the .mu. opioid receptor have been implicated in the reinforcing effects of a variety of drugs of abuse. Consequently, the present study examd. the assocn. of a polymorphic (CA)n repeat at the **OPRM1** locus (the gene coding for the .mu. opioid receptor) to alc. or drug dependence n 320 Caucasian and 108 African-American substance-dependent or control subjects. Among Caucasians, suggestion of a modest assocn., which could be interpreted as statistically significant, was obsd. between **OPRM1** alleles and substance (alc., cocaine, or opioid) dependence. Anal. by specific substance showed only a trend level assocn. to alc. dependence. Comparisons among African Americans yielded no evidence for assocn. Further studies of the assocn. between alleles of the **OPRM1** gene and substance dependence appear warranted, particularly if they use a family-based approach to control for population stratification. Phenotypes other than a broad diagnostic categorization, such as opioid antagonist effects on drinking behavior in alcoholics, may provide more consistent evidence of a role for **OPRM1** in behavioral variability.

=> FIL STNGUIDE
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST	12.18	17.15

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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FULL ESTIMATED COST	0.12	17.27

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CA SUBSCRIBER PRICE	0.00	-0.62

STN INTERNATIONAL LOGOFF AT 15:23:51 ON 30 MAY 2002